

STN

FILE 'MEDLINE, BIOSIS, EMBASE, SCISEARCH, DISSABS' ENTERED AT  
12:06:19 ON

28 JUL 2006

L1 771 S NAIP

L2 28 S L1 AND (ANTIBODIES OR ANTIBODY)

L3 16 DUP REM L2 (12 DUPLICATES REMOVED)

## WEST Search History

DATE: Friday, July 28, 2006

Hide?	Set Name	Query	Hit Count
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=OR</i>		
<input type="checkbox"/>	L2	(antibody or antibodies) and L1	239
<input type="checkbox"/>	L1	naip	416

END OF SEARCH HISTORY

## MEDLINE

- #1 Search **naip**

12:04:28

216

Db 1201 SLPNFISLKIILNLESQFPDEETSEKATILGSLNLEELILPTGDIYRVAKLIIQQCQ 1260  
 QY 1261 QLHCLRVLSSFFKTLNDDSVVEIGELVFLAWKPVV 1295  
 Db 1261 QLHCLRVLSSFFKTLNDDSVVEIGELVFLAWKPVV 1295

RESULT 4  
 AAW20032

ID AAW20032 standard; protein; 1403 AA.  
 XX  
 AC AAW20032;  
 XX  
 DT 06-OCT-1997 (first entry)  
 XX  
 DE Neuronal apoptosis inhibitor protein (NAIP).  
 XX  
 KW Neuronal apoptosis inhibitor protein; NAIP; diagnosis; therapy; cancer;  
 KW AIDS; amyotrophic lateral sclerosis; spinal muscular atrophy.  
 XX  
 OS Homo sapiens.  
 XX  
 PN W09726331-A2.  
 XX  
 PD 24-JUL-1997.  
 XX  
 PF 17-JAN-1997; 97WO-IB000142.  
 XX  
 PR 19-JAN-1996; 96GB-00001108.  
 XX  
 PA (UYOT-) UNIV OTTAWA.  
 XX  
 PI Korneluk RG, Mackenzie AE, Roy N, Robertson G, Tamai K;  
 XX  
 DR WPI; 1997-385335/35.  
 DR N-PSDB; AAT71265.  
 XX  
 PT New neuronal inhibitor of apoptosis - useful for diagnosing and treating,  
 PT e.g. cancer, AIDS or amyotrophic lateral sclerosis.  
 XX  
 PS Claim 41; Fig 6A-I; 102pp; English.  
 XX  
 CC Novel human neuronal apoptosis inhibitor protein (AAW20032), or NAIP, is  
 CC a negative regulator of apoptosis, partic. neuronal apoptosis and, when  
 CC deficient or absent, contributes to neurodegenerative phenotypes such as  
 CC spinal muscular atrophy (SMA) and amyotrophic lateral sclerosis. Its  
 CC amino acid sequence was deduced from a cDNA clone (AAT71265) obtd. from a  
 CC human foetal spinal cord cDNA library. NAIP polypeptides, esp. those  
 CC containing at least two BIR (baculovirus IAP repeat) domains, can be  
 CC expressed in host- vector systems and used to increase or induce  
 CC apoptosis for the treatment of AIDS, neurodegenerative disease,  
 CC myelodysplastic syndromes or ischaemic injury, to screen for  
 CC (ant)agonists, or to produce antibodies useful for inhibiting apoptosis  
 XX  
 SQ Sequence 1403 AA;

Query Match 99.0%; Score 6691; DB 2; Length 1403;  
 Best Local Similarity 99.8%; Pred. No. 0;  
 Matches 1282; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MATQQKASDERISQFDHNLPELSALLGLDAVQLAKELEEEQKERAKMQKGYNSQMRSE 60  
 Db 1 MATQQKASDERISQFDHNLPELSALLGLDAVQLAKELEEEQKERAKMQKGYNSQMRSE 60  
 QY 61 AKRLKTFVITYEPYSSWIPQEMAAAGFYFTGVKSGIQCFCCSLILFGAGLTRLPIDHKRF 120  
 Db 61 AKRLKTFVITYEPYSSWIPQEMAAAGFYFTGVKSGIQCFCCSLILFGAGLTRLPIDHKRF 120  
 QY 121 HPDCGFLNKNVDVGNIAKYDIRVKNLKSRLRGGKMRYQEEEARLASFRNWPFYVQGISPCV 180  
 Db 121 HPDCGFLNKNVDVGNIAKYDIRVKNLKSRLRGGKMRYQEEEARLASFRNWPFYVQGISPCV 180  
 QY 181 LSEAGFVFTGKQDTVQCFCGGCLGNWEEGDDPWKEHAKWFPKCEFLRSKKSSEEITQYI 240  
 Db 181 LSEAGFVFTGKQDTVQCFCGGCLGNWEEGDDPWKEHAKWFPKCEFLRSKKSSEEITQYI 240

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QY 241 QSYKGFVDITGEHFVNSWVQRELPMSAYCNDISIFAYEELRLDSFKDWPRESAVGVAALA 300  
 Db 241 QSYKGFVDITGEHFVNSWVQRELPMSAYCNDISIFAYEELRLDSFKDWPRESAVGVAALA 300

QY 301 KAGLFYTGKIDIVQCFSCGGCLEKWQEGDDPLDDHTRCFPNCFFLQNMKSSAEVTPDLQS 360  
 Db 301 KAGLFYTGKIDIVQCFSCGGCLEKWQEGDDPLDDHTRCFPNCFFLQNMKSSAEVTPDLQS 360

QY 361 RGELCELLETTSESNELEDSIAVGPIVPEMAQGEAQWFQEAKNLNEQLRAAYTSASFRHMS 420  
 Db 361 RGELCELLETTSESNELEDSIAVGPIVPEMAQGEAQWFQEAKNLNEQLRAAYTSASFRHMS 420

QY 421 LLDISSDLATDHLGCDLSIASKHISKPVQEPVLPEVFGNLNSVMCVEGEAGSGKTVLL 480  
 Db 421 LLDISSDLATDHLGCDLSIASKHISKPVQEPVLPEVFGNLNSVMCVEGEAGSGKTVLL 480

QY 481 KKIAFLWASGCCPLNRFQLVFYLSLSSTRPDEGLASIIICDQLEKEGSVTEMCMRNIIQ 540  
 Db 481 KKIAFLWASGCCPLNRFQLVFYLSLSSTRPDEGLASIIICDQLEKEGSVTEMCMRNIIQ 540

QY 541 QLKNQVFLFLDDYKEICSIQVIGKLIQKNHLSRTCLLIARTNRDIRRYLETILEIK 600  
 Db 541 QLKNQVFLFLDDYKEICSIQVIGKLIQKNHLSRTCLLIARTNRDIRRYLETILEIK 600

QY 601 AFFFYNTVCILRKLFSSHNMTRLRKFMVYFGKNQSLQKIQKTPLFVAACAHWFQYFPDPS 660  
 Db 601 AFFFYNTVCILRKLFSSHNMTRLRKFMVYFGKNQSLQKIQKTPLFVAACAHWFQYFPDPS 660

QY 661 FDDVAVFKSYMERLSLRNKATAEILKATVSSCGELALKGFFSCCFEFDNDLAEAGVDED 720  
 Db 661 FDDVAVFKSYMERLSLRNKATAEILKATVSSCGELALKGFFSCCFEFDNDLAEAGVDED 720

QY 721 EDLTMCMSKFTAQRLRPFYRFLSPAQEFQFLAGMRLIELLSDRQEHQDLGLYHLKQINS 780  
 Db 721 EDLTMCMSKFTAQRLRPFYRFLSPAQEFQFLAGMRLIELLSDRQEHQDLGLYHLKQINS 780

QY 781 PMMTVSAYNNFLNYVSSLPSTKAGPKIVSHLLHLDVNKESLENISENDDYLKHQPEISLQ 840  
 Db 781 PMMTVSAYNNFLNYVSSLPSTKAGPKIVSHLLHLDVNKESLENISENDDYLKHQPEISLQ 840

QY 841 MQLLRGLWQICPQAYFSMVSEHLLVLAKTAYQSNVAACSPFVLQFLQGRTLTLGALNL 900  
 Db 841 MQLLRGLWQICPQAYFSMVSEHLLVLAKTAYQSNVAACSPFVLQFLQGRTLTLGALNL 900

QY 901 QYFFDHPELSLLRSIHFPPIRGKTSAPRAHFSVLETQFDKQVPTIDQDYASAFEPMNEW 960  
 Db 901 QYFFDHPELSLLRSIHFPPIRGKTSAPRAHFSVLETQFDKQVPTIDQDYASAFEPMNEW 960

QY 961 ERNLAEKEDNVKSYMOMRRASPDLSGTYWKLSPKQYKIPCLEVDVNDIDVVGQDMLEIL 1020  
 Db 961 ERNLAEKEDNVKSYMOMRRASPDLSGTYWKLSPKQYKIPCLEVDVNDIDVVGQDMLEIL 1020

QY 1021 MTVFSASQRIELHLNHSRGFIESIRPALELSKASVTKCSISKLELSAAEQELLLTLPSE 1080  
 Db 1021 MTVFSASQRIELHLNHSRGFIESIRPALELSKASVTKCSISKLELSAAEQELLLTLPSE 1080

QY 1081 SLEVSGTIQSQDQIFPNLDKFLCLKELSVDLEGNINVFSVIPEEFPNFHHMEKLLIQISA 1140  
 Db 1081 SLEVSGTIQSQDQIFPNLDKFLCLKELSVDLEGNINVFSVIPEEFPNFHHMEKLLIQISA 1140

QY 1141 EYDPSKLVKLIQNSPNLHVFLKCNFFSDFGSLMTMLVSCCKLTEIKFSDSFFQAVPFVA 1200  
 Db 1141 EYDPSKLVKLIQNSPNLHVFLKCNFFSDFGSLMTMLVSCCKLTEIKFSDSFFQAVPFVA 1200

QY 1201 SLPNFISLKIILNLEGQQFPDEETSEKFAYILGSLNLEELILPTGDGIYRVAKLIIQQCQ 1260  
 Db 1201 SLPNFISLKIILNLEGQQFPDEETSEKFAYILGSLNLEELILPTGDGIYRVAKLIIQQCQ 1260

QY 1261 QLHCLRVLSFFKTLNDDSVVEIGEL 1285  
 Db 1261 QLHCLRVLSFFKTLNDDSVVEIAKV 1285

RESULT 5  
 AAY09539  
 ID AAY09539 standard; protein; 1403 AA.

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